

Revised Checklist of Lichen-forming, Lichenicolous and Allied Fungi of Eagle Hill and its Vicinity

Revised June 2018

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An update of: Seaward, M.R.D., Richardson, D.H.S., Brodo, I.M., Harris, R.C. & Hawksworth, D.L. (2017) Checklist of lichen-forming, lichenicolous and allied fungi of Eagle Hill and its vicinity, Maine. *Northeastern Naturalist*, **24**: 349-379.

Introduction

In all, 600 lichens and 82 lichenicolous and allied fungi have been recorded from Eagle Hill Institute and its vicinity. Of the 682 taxa listed, 331 have been recorded within the Institute's boundary and 655 from its vicinity; a further 66 taxa compiled from unverified class lists have been recorded from one or both of the study areas but lack voucher material. The central part of coastal Maine, which includes the Eagle Hill Institute, is clearly a hot spot for lichen diversity as revealed by 27 years of annual seminars offered by the Institute and the resulting herbarium. Impressive as the list is in demonstrating this diversity, it will undoubtedly grow as more courses focusing on different aspects of lichenology are held in the coming years.

Herbaria

Course instructors and attendees have contributed specimens to the Lichen Herbarium at Eagle Hill, which has been actively curated over the last decade. Specimens are also to be found in numerous herbaria (mainly in North America), as listed below. To date, 683 taxa have been collected by at least 75 individuals (major collectors are indicated by *) as follows: *Anderson, F. 2007–2012; Bartkowiak, M. 2011; Battaglia, J. 2006–2008; Bayne, D.M. 2014; Bennett, J. 2003; Brodo, F. 2006; *Brodo, I.M. 2003–2017; Buck, E. 2008; Cameron, R. 1997; Cannon, L.D. 2009–2010; Cary, N.D. 2015; *Curtis, T.J. 2017; Davis, R.B. 1959; Davoodiam, N. 2007; Dibble, A.C. 2011; Favolise, A. 2013; Fike, J. 1998; *Fryday, A.M. 2011–2013; Gagnon, J. 2015; Gockman, O. 2016; *Gowan, S. 1993; Greller, A.M. 2015; Grow, W.C. 2015; *Hale, M.E. 1970–1971; Hammer, R. 2016; Harms, R.Z. 2006; Harris, R.C. 2011; Hayes, P.E. 2014; Hill, R.J. 1998; Hinds, J.W. 1996; Hodgkinson, B.P. 2004; Hooker, S. 2003; Hyerczyk, R. 1992; Ibe, R. 2010; Kelly, M. 2009; Kneiper, E. 2005; Kruse, D.A. 2015; Lavoie, A. 2016; Lay, E. 1996; Lemmon, C.R. 1998; *Lendemer, J.C. 2012; *Lotze, J-H. 1988;

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 Lowenstein, L. 2018; Lucas, N. 1996; Maloney, K.M. 1997; Mashburn, H. 1996;
 Maurer, U.M. 2018; May, H.D. 2013; May, P. 1993; Moya, M. 2011; Mazurkiewicz,
 M. 1988; Moffett, E. 2018; Moore, J.A. 2016; Olday, F.C. 2007; Ostrin, Z. 2010;
 Parrish, C. 2009; Perlmutter, G.B. 2006; Peterson, F. 1998; Podaril, A. 2013; Reznicek,
 A.A. 2018; *Richardson, D.H.S. 2000–2018; Richardson, S. 2011; Schmitt, C. 1991;
 Schomer, B. 2006; *Seaward, M.R.D. 2006–2018; Slack, N. 1997; Sonder, E. 2008;
 Thompson, K.M. 2015; Tremback, B.J. 2015; Tsai, L.-J. 2016; Van Derwerker, A.
 2011; *Waters, D.P. 2008–2010; Westgate, L. 2016; Wiseman, R. 1998; Zoll, V. 2000–
 2008.

Checklist

Abbreviations of authorities in the following lists are according to Brummitt and Powell (1992), and the nomenclature and authorities mainly follow Esslinger (2017).

* = lichenicolous fungi; + = allied saprophytic fungi; # = weakly lichenized or beginning as parasites and later becoming lichens. 1 = occurring on the Eagle Hill Research Institute Reserve; 2 = found in the vicinity of Eagle Hill (as defined in Seaward *et al.* 2017, Figure 1), which included Pine Hill and the Callahan Mine but not Acadia National Park.

Location of vouchers: **EgH = Eagle Hill Institute Herbarium**; CANL = Canadian Museum of Nature; G = Conservatoire et Jardin botaniques de la Ville de Genève; ISC = Iowa State University.; MAINE = University of Maine, Orono; MIN = Bell Museum of Natural History, Lichen Section, University of Minnesota; MSC = Michigan State University; NY = New York Botanical Garden; PH = Academy of Natural Sciences of Drexel University; UMFK = University of Maine, Fort Kent; DLH = determination by D.L. Hawksworth, most vouchers in K (Royal Botanic Gardens, Kew, UK) or MIN; MRDS = private herbarium of M.R.D. Seaward, ultimately for Liverpool Museum (LIV).

- **Abrothallus caeruleus* Kotte 2 [NY]
- **A. cetrariae* Kotte 1, 2 [EgH]
- **A. cladoniae* R. Sant. & D. Hawksw. 2 [DLH]
- **A. microspermus* Tul. 1, 2 [NY]
- **A. parmeliarum* (Sommerf.) Arnold 1, 2 [NY]
- **A. tulasnei* M.S. Cole & D. Hawksw. 2 [DLH]
- Absoconditella lignicola* Vězda & Pišút 2 [CANL]
- A. sphagnum* Vězda & Poelt 2 [MAINE]
- Acarospora fuscata* (Schrad.) Arnold 1, 2 [CANL]
- A. molybdina* (Wahlenb.) Trevis. 2 [EgH, CANL, MSC]
- A. sinopica* (Wahlenb.) Körb. 1, 2 [EgH]
- Acrocordia cavata* (Ach.) R.C. Harris 2 [CANL, NY]
- +*Agyrium rufum* (Pers.) Fr. 2 [EgH]
- Ahtiana aurescens* (Tuck.) Thell & Randle 2 [EgH]

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- Alectoria sarmentosa* (Ach.) Ach. subsp. *sarmentosa* 2 [EgH]
Alyxoria ochrocheila (Nyl.) Ertz & Tehler 1, 2 [MSC]
A. varia (Pers.) Ertz & Tehler 2 [CANL]
Amandinea dakotensis (H. Magn.) P. May & Sheard 2 [EgH]
A. milliaris (Tuck.) P. May & Sheard 2 [EgH]
A. polyspora (Willey) E.Lay & P.F.May 1 [MAINE]
A. punctata (Hoffm.) Coppins & Scheid. 1, 2 [EgH]
Amygdalaria panaeola (Ach.) Hertel & Brodo 1, 2 [EgH]
Anaptychia palmulata (Michx.) Vain. 2 [EgH]
Anisomeridium biforme (Borrer) R.C. Harris 1, 2 [EgH, CANL]
A. polypori (Ellis & Everh.) M.E. Barr 1, 2 [NY]
Arctoparmelia centrifuga (L.) Hale 1, 2 [EgH]
Arthonia apatetica (A. Massal.) Th. Fr. 1, 2 [NY]
+*A. caudata* Willey 2 [NY]
**A. colombiana* Etayo 2 [EgH]
**A. coronata* Etayo 2 [NY]
A. didyma Körb. 2 [NY]
A. helvola (Nyl.) Nyl. 2 [CANL]
A. leucopellaea (Ach.) Almq. 2 [EgH, CANL]
A. radiata (Pers.) Ach. 1, 2 [EgH, CANL]
A. ruana A. Massal. 2 [NY]
Arthrorhaphis citrinella (Ach.) Poelt 1, 2 [CANL, NY]
+*A. grisea* Th. Fr. 1 [DLH]
Aspicilia cinerea (L.) Körb. 1, 2 [EgH, CANL]
A. laevata (Ach.) Arnold 2 [EgH]
A. cf. verrucigera Hue 2 [EgH, MSC]
Athallia holocarpa (Hoffm.) Arup et al. 2 [EgH]
A. pyracea (Ach.) Arup et al. 2 [EgH, CANL]
A. scopularis (Nyl.) Arup et al. 1, 2 [EgH]
**Bachmanniomyces uncialicola* (Zopf) D. Hawksw. 2 [NY]
Bacidia arceutina (Ach.) Arnold 2 [NY]
B. circumspecta (Nyl. ex Vain.) Malme 1 [EgH]
B. laurocerasi (Delise ex Duby) Zahlbr. 2 [CANL]
B. rubella (Hoffm.) A. Massal. 2 [EgH]
B. schweinitzii (Fr. ex E. Michener) A. Schneid. 2 [EgH, CANL]
Bactrospora brodoi Egea & Torrente 2 [EgH, MAINE]
Baeomyces carneus Flörke 1 [EgH]
B. rufus (Huds.) Rebent. 1, 2 [EgH]
Biatora appalachensis Printzen & Tønsberg 2 [CANL]
B. chrysantha (Zahlbr.) Printzen 2 [CANL, NY]
B. longispora (Degel.) Lendemer & Printzen 1, 2 [CANL, NY]
B. pontica Printzen & Tønsberg 1, 2 [EgH, CANL]
B. pycnidata Printzen & Tønsberg 1, 2 [EgH, CANL]
B. vernalis (L.) Fr. 1, 2 [CANL, MSC]

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- **Biatoropsis usnearum* Räsänen 1, 2 [PH]
Bilimbia sabuletorum (Schreb.) Arnold 1, 2 [MRDS]
Brianaria lutulata (Nyl.) S. Ekman & M. Svennson 2 [EgH, NY]
B. sylvicola (Flot. ex Körb.) S. Ekman & M. Svennson 2 [NY]
Bryobilimbia ahlesii (Körb.) Fryday et al. 2 [NY]
B. hypnorum (Lib.) Fryday et al. 2 [NY]
Bryoria furcellata (Fr.) Brodo & D. Hawksw. 1, 2 [NY]
B. fuscescens (Gyeln.) Brodo & D. Hawksw. 1, 2 [EgH]
B. kockiana Velmala et al. 2 [EgH]
B. nadvornikiana (Gyeln.) Brodo & D. Hawksw. 1, 2 [EgH]
B. pikei Brodo & D. Hawksw. 1, 2 [EgH]
B. trichodes (Michx.) Brodo & D. Hawksw. subsp. *trichodes* 1, 2 [EgH]
Buellia aethalea (Ach.) Th. Fr. 1, 2 [CANL]
B. arnoldii Servít 2 [NY]
B. dialyta (Nyl.) Tuck. 2 [EgH]
B. disciformis (Fr.) Mudd 1, 2 [EgH, CANL]
B. lepidastra (Tuck.) Tuck. 2 [MSC]
B. ocellata (Flörke ex Flot.) Körb. 2 [MAINE]
B. schaereri De Not. 2 [CANL]
B. stillingiana J. Steiner 1, 2 [EgH]
Calicium abietinum Pers. 1, 2 [UMFK]
C. glaucellum Ach. 1, 2 [MAINE, UMFK]
C. lenticulare Ach. 1, 2 [UMFK]
C. parvum Tibell 1, 2 [UMFK]
C. salicinum Pers. 2 [EgH, CANL]
C. trabinellum (Ach.) Ach. 1, 2 [UMFK]
C. viride Pers. 1 and/or 2 [UMFK]
Caloplaca borealis (Vain.) Poelt 2 [CANL]
C. cerina (Ehrh. ex Hedwig) Th. Fr. 2 [NY]
C. fraudans (Th. Fr.) H. Olivier 2 [NY]
C. lithophila H. Magn. 2 [MSC]
Candelaria concolor (Dicks.) Stein 2 [EgH]
Candelariella aurella (Hoffm.) Zahlbr. 2 [MSC]
C. efflorescens R.C. Harris & W.R. Buck 1, 2 [EgH]
C. vitellina (Hoffm.) Müll. Arg. 1, 2 [NY]
Carbonicola anthracophila (Nyl.) Bendiksby & Timdal 2 [CANL]
Catillaria atomarioides (Müll. Arg.) H.Kilias 2 [MSC]
C. chalybeia (Borrer) A. Massal. 1 [EgH, CANL, NY]
C. lenticularis (Ach.) Th. Fr. 2 [MSC]
Catinaria atropurpurea (Schaer.) Vězda & Poelt 1, 2 [MSC]
Cetraria aculeata (Schreb.) Fr. 2 [EgH]
C. arenaria Kärnefelt 2 [EgH]
C. islandica (L.) Ach. subsp. *islandica* 2 [CANL]
C. laevigata Rass. 2 [EgH]

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- C. muricata* (Ach.) Eckfeldt 2 [CANL]
Cetrelia cetrarioides (Duby) W.L. Culb. & C.F. Culb. 2 [NY]
C. chicitae (W.L. Culb.) W.L. Culb. & C. Culb. 1, 2 [EgH]
C. olivetorum (Nyl.) W.L. Culb & C. Culb. 1, 2 [EgH]
Chaenotheca balsamconensis J.L. Allen & McMullin 2 [NY]
C. brunneola (Ach.) Müll. Arg. 1, 2 [EgH]
C. chrysocephala (Ach.) Th. Fr. 1, 2 [EgH, CANL, NY]
C. ferruginea (Turner ex Sm.) Mig. 1, 2 [EgH, CANL]
C. furfuracea (L.) Tibell 1, 2 [UMFK]
C. gracillima (Vain.) Tibell 1 [EgH]
C. nitidula Tibell 2 [UMFK]
C. phaeocephala (Turner) Th. Fr. 1 [MAINE]
C. stemonea (Ach.) Müll. Arg. 2 [UMFK]
C. trichialis (Ach.) Th. Fr. 1, 2 [UMFK]
+*Chaenothecopsis debilis* (Turner & Borrer ex Sm.) Tibell 2 [UMFK]
**C. dibbleandersonianum* S.B. Selva 2 [UMFK]
+*C. haematopus* Tibell 2 [UMFK]
#*C. pusilla* (Ach.) A.F.W. Schmidt 1, 2 [UMFK]
#*C. pusiola* (Ach.) Vain. 1, 2 [UMFK]
#*C. viridireagens* (Nádv.) A.F.W. Schmidt 2 [UMFK]
Chrysothrix caesia (Flot.) Ertz & Tehler 2 [NY]
C. insulizans R.C. Harris & Ladd 2 [CANL, NY]
C. xanthina (Vain.) Kalb 1, 2 [NY]
Circinaria caesiocinerea (Nyl. ex Malbr.) A. Nordin et al. 1, 2 [EgH, MAINE]
Cladonia acuminata (Ach.) Norrl. 2 [MSC]
C. albonigra Brodo & Ahti 2 [EgH]
C. apodocarpa Robbins 2 [EgH]
C. arbuscula (Wallr.) Flot. 1, 2 [EgH, CANL]
C. atlantica A.Evans 1 [EgH]
C. boryi Tuck. 1, 2 [EgH, CANL]
C. botrytes (K.G.Hagen) Willd. 2 [EgH]
C. brevis (Sandst.) Sandst. 1, 2 [EgH, CANL]
C. caespiticia (Pers.) Flörke 1, 2 [EgH]
C. cariosa (Ach.) Spreng. 1, 2 [EgH]
C. carneola (Fr.) Fr. 1, 2 [EgH]
C. cenotea (Ach.) Schaer. var. *cenotea* 1, 2 [EgH]
C. chlorophaea (Flörke ex Sommerf.) Spreng. 1, 2 [EgH]
C. coccifera (L.) Willd. 1, 2 [EgH]
C. coniocraea (Flörke) Spreng. 1, 2 [MAINE]
C. cornuta (L.) Hoffm. subsp. *cornuta* 1(?), 2 [MAINE]
C. cornuta subsp. *groenlandica* E. Dahl. 2 [NY]
C. crispata (Ach.) Flot. var. *crispata* 1, 2 [EgH]
C. crispata var. *cetrariiiformis* (Delise) Vain. 1, 2 [EgH]
C. cristatella Tuck. 1, 2 [EgH]

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- C. cryptoclorophaea* Asah. 2 [MSC]
C. deformis (L.) Hoffm. 1, 2 [NY]
C. digitata (L.) Hoffm. 1, 2 [EgH]
C. dimorphoclada Robbins 2 [MSC]
C. farinacea (Vain.) A. Evans 2 [EgH]
C. fimbriata (L.) Fr. 2 [CANL]
C. floerkeana (Fr.) Flörke 1, 2 [EgH]
C. furcata (Huds.) Schrad. 1, 2 [EgH, CANL]
C. gracilis (L.) Willd. subsp. *gracilis* 1, 2 [EgH]
C. gracilis subsp. *elongata* (Wulfen) Vain. 2 [EgH]
C. gracilis subsp. *turbinata* (Ach.) Ahti 1, 2 [EgH]
C. grayi G. Merr. ex Sandst. 1, 2 [EgH, CANL]
C. incrassata Flörke 1, 2 [EgH]
C. macilenta Hoffm. var. *macilenta* 1, 2 [EgH]
C. macilenta var. *bacillaris* (Genth) Schaer. 1, 2 [EgH, CANL]
C. maxima (Asah.) Ahti 1, 2 [EgH, CANL]
C. merochlorophaea Asah. 1 [NY]
C. mitis Sandst. 1, 2 [EgH]
C. multiformis G. Merr. 1, 2 [EgH, CANL]
C. ochrochlora Flörke 1, 2 [EgH]
C. parasitica (Hoffm.) Hoffm. 1, 2 [EgH]
C. phyllophora Hoffm. 2 [EgH, CANL]
C. pleurota (Flörke) Schaer. 1, 2 [EgH, CANL]
C. pocillum (Ach.) Grognot 2 [EgH]
C. polycarpoides Nyl. 2 [EgH]
C. pyxidata (L.) Hoffm. 1, 2 [EgH, CANL]
C. ramulosa (With.) J.R. Laundon 1 [EgH]
C. rangiferina (L.) F.H. Wigg. 1, 2 [EgH, CANL]
C. rappii A.Evans 2 [MAINE]
C. rei Schaer. 2 [MSC]
C. scabriuscula (Delise) Nyl. 1, 2 [EgH, CANL]
C. squamosa Hoffm. var. *squamosa* 1, 2 [EgH, CANL]
C. stellaris (Opiz) Pouzar & Vězda 1, 2 [EgH, CANL]
C. strepsilis (Ach.) Grognot 1, 2 [EgH, CANL]
C. stygia (Fr.) Ruoss 2 [EgH]
C. subtenuis (Abbayes) Mattick 1, 2 [CANL]
C. subulata (L.) F.H. Wigg. 1, 2 [EgH]
C. sulphurina (Michx.) Fr. 2 [EgH]
C. symphycarpa (Flörke) Fr. 2 [MSC]
C. terrae-novae Ahti 2 [CANL]
C. turgida Ehrh. ex Hoffm. 1, 2 [EgH, CANL]
C. uncialis (L.) F.H. Wigg. subsp. *uncialis* 1, 2 [EgH, CANL]
C. uncialis subsp. *biuncialis* (Hoffm.) M. Choisy 2 [NY]
C. verticillata (Hoffm.) Schaer. 1(?), 2 [EgH]

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- Clauzadeana macula* (Taylor) Coppins & Rambold 2 [NY, MSC]
Cliostomum griffithii (Sm.) Coppins 1, 2 [EgH, CANL]
C. leprosum (Räsänen) Holien & Tønsberg 2 [CANL, NY]
C. vitellinum Gowan 2 [NY]
Coccocarpia palmicola (Spreng.) Arv. & D.J. Galloway 2 [MSC]
Coenogonium luteum (Dicks.) Kalb & Lücking 1, 2 [EgH]
C. pineti (Ach.) Lücking & Lumbsch 1, 2 [EgH]
Collema subflaccidum Degel. 2 [EgH, MSC]
Collemopsidium halodytes (Nyl.) Grube & B.D. Ryan 1, 2 [EgH, CANL]
C. sublitorale (Leight.) Grube & B.D. Ryan 1, 2 [EgH]
 **Cortutispora pyramidalis* Etayo 2 [NY]
 **Cyphobasidium hypogymniicola* (Diederich & Ahti) Millanes et al. 1, 2 [EgH, NY]
Cystocoleus ebeneus (Dillwyn) Thwaites 2 [CANL]
 **Dactylospora lobariella* (Nyl.) Hafellner 2 [DLH]
 **D. parasitica* (Flörke ex Spreng.) Zopf 2 [NY]
Dendriscoaulon intricatum (Nyl.) Henssen 2 [EgH, CANL]
Dermatocarpon leptophyllodes (Nyl.) Zahlbr. 2 [MSC]
D. luridum (With.) J.R. Laundon 2 [EgH]
D. miniatum (L.) W. Mann 2 [MSC]
Dibaeis baeomyces (L. f.) Rambold & Hertel 1, 2 [EgH, CANL]
Dictyocatenulata alba Finney & E.F. Morris 2 [EgH]
Dimelaena oreina (Ach.) Norman 2 [NY]
 #*Diploschistes muscorum* (Scop.) R. Sant. 1, 2 [MSC, NY]
D. scruposus (Schreb.) Norman 1, 2 [CANL, MSC, NY]
 **Endococcus propinquus* (Körb.) D. Hawksw. 2 [NY]
 **E. perpusillus* Nyl. 1 [NY]
Enterographa zonata (Körb.) Källsten 2 [MAINE]
Ephebe lanata (L.) Vain. 2 [CANL]
E. perspinulosa Nyl. 2 [MAINE]
E. solida Bornet 2 [CANL]
 **Epicladonia sandstedei* (Zopf) D. Hawksw. 2 [EgH, NY]
 **E. stenospora* (Harm.) D. Hawksw. 2 [NY]
Evernia mesomorpha Nyl. 1, 2 [EgH]
Flavoparmelia caperata (L.) Hale 1, 2 [EgH, CANL]
Flavoplaca microthallina (Wedd.) Arup et al. 2 [MAINE, MSC]
Flavopunctelia flaventior (Stirt.) Hale 2 [MAINE]
Fuscidea arboricola Coppins & Tønsberg 1, 2 [EgH, CANL, MSC]
F. gothoburgensis (H. Magn.) V. Wirth & Vězda 2 [MAINE]
F. lowensis (H. Magn.) R. Anderson & Hertel 2 [MAINE]
F. pusilla Tønsberg 2 [NY]
*F. recens*a (Stirton) Hertel et al. var *recens*a 2 [NY]
*F. recens*a var *arcuatula* (Arnold) Fryday 1, 2 [EgH, CANL, MSC, NY]
Fuscopannaria praetermissa (Nyl.) P.M. Jørg. 2 [MSC]
Graphis elegans (Borrer ex Sm.) Ach. 2 [MAINE]

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- G. scripta* (L.) Ach. 1, 2 [EgH, CANL]
Gyalideopsis moodyae Lendemer & Lücking 2 [NY]
Gyalolechia flavorubescens (Huds.) Søchting et al. 1, 2 [EgH]
G. xanthostigmoidea (Räsänen) Søchting et al. 2 [CANL, NY]
Halecania pepegospora (H. Magn.) Van den Boom 1, 2 [EgH, CANL]
 **Heterocephalacria bachmannii* (Diederich & M.S. Christ) Millanes & Wedin 2 [NY]
Heterodermia neglecta Lendemer et al. 2 [EgH]
H. speciosa (Wulfen) Trevisan 2 [NY]
H. squamulosa (Degel.) W.L. Culb. 2 [EgH]
 **Homostegia piggotii* (Berk. & Broome) P. Karst. 1, 2 [MRDS, NY]
Hydropunctaria maura (Wahlenb.) Keller et al. 1, 2 [EgH]
Hyperphyscia syncolla (Tuck. ex Nyl.) Kalb. 2 [MAINE]
Hypocenomyce scalaris (Ach.) M. Choisy 2 [CANL, NY]
Hypogymnia incurvroides Rasm. 2 [EgH]
H. krogiae Ohlsson 1, 2 [EgH, CANL]
H. physodes (L.) Nyl. 1, 2 [EgH]
H. tubulosa (Schaer.) Hav. 1, 2 [EgH, NY]
Hypotrachyna afrorevoluta (Krog & Swinscow) Krog & Swinscow 2 [MAINE]
H. catawbiensis (Degel.) Divakar et al. 1, 2 [EgH, CANL]
H. revoluta (Flörke) Hale 1 [EgH, NY]
Icmadophila ericetorum (L.) Zahlbr. 1, 2 [EgH]
Imshaugia aleurites (Ach.) S.F. Meyer 1, 2 [EgH]
I. placorodia (Ach.) S.F. Meyer 1, 2 [NY]
Inoderma byssaceum (Weigel) Gray 1, 2 [CANL]
 **Intralichen christiansenii* (D. Hawksw.) D. Hawksw. & M.S. Cole 1 [DLH]
 **I. lichenum* (Diederich) D. Hawksw. & M.S. Cole 2 [DLH]
Ionaspis alba Lutzoni 2 [CANL]
I. lacustris (With.) Lutzoni 2 [EgH, CANL]
Japewia subaurifera Muhr & Tønsberg 2 [NY]
Japewiella dollypartoniana J.L.Allen & Lendemer 1, 2 [NY]
 +*Julella fallaciosa* (Arnold) R.C. Harris 2 [EgH, CANL]
 **Laeviomyces pertusariicola* (Nyl.) D. Hawksw. 2 [NY]
Lambiella caeca (J.Lowe) Resl & T. Sprib. 1, 2 [NY]
L. fuscosora (Muhr & Tønsberg) M. Westb. & Resl 2 [CANL]
Lasallia papulosa (Ach.) Llano 1, 2 [EgH, CANL]
L. pensylvanica (Hoffm.) Llano 2 [NY]
Lecanactis abietina (Ach.) Körb. 2 [CANL, NY]
Lecania croatica (Zahlbr.) Kotlov 1, 2 [EgH]
L. naegeli (Hepp) Diederich & Van den Boom 2 [MRDS]
Lecanora albella (Pers.) Ach. var. *rubescens* (Imshaug & Brodo) Lumbsch 2 [NY]
L. allophana Nyl. 1, 2 [NY]
L. argentea Oxner & Volkova 2 [EgH]
L. caesiorubella Ach. subsp. *caesiorubella* 1, 2 [EgH]
L. chlarotera Nyl. 2 [EgH, MAINE]

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- L. cinereofusca* H. Magn. 2 [EgH, CANL]
L. congesta Lyngé 2 [NY]
L. expallens Ach. 2 [EgH, CANL, NY]
L. farinaria Borrer 2 [NY]
L. glabrata (Ach.) Malme 2 [EgH]
L. hybocarpa (Tuck.) Brodo 1, 2 [EgH]
L. hypoptoides (Nyl.) Nyl. 2 [CANL, NY]
L. layana Lendemer 2 [NY]
L. minutella Nyl. 2 [NY]
L. orae-frigidae R. Sant. 2 [EgH, CANL, NY]
L. perplexa Brodo 2 [MAINE]
L. polytropa (Hoffm.) Rabenh. 1, 2 [EgH, MSC]
L. pulicaris (Pers.) Ach. 1, 2 [EgH, CANL]
L. rugosella Zahlbr. 2 [EgH]
L. rupicola (L.) Zahlbr. 2 [EgH, CANL]
L. strobilina (Spreng.) Kieffer 1, 2 [EgH]
L. symmicta (Ach.) Ach. 1, 2 [EgH, CANL]
L. thysanophora R.C. Harris 1, 2 [EgH, CANL]
L. wisconsinensis H. Magn. 2 [EgH]
L. xylophila Hue 1, 2 [EgH, CANL, MSC]
Lecidea auriculata Th. Fr. subsp. *auriculata* 1, 2 [EgH, CANL, MSC]
L. brunneofusca H. Magn. 1, 2 [CANL]
L. herteliana Fryday & Coppins 1, 2 [ISC, MSC]
L. nylanderi (Anzi) Th. Fr. 2 [EgH]
L. plana (J.Lahm) Nyl. 2 [MSC]
L. tessellata Flörke 1, 2 [EgH, CANL, MSC]
L. turgidula (Fr.) Nyl. 2 [NY]
Lecidella patavina (A. Massal.) Knoph & Leuckert 2 [MSC]
L. stigmatea (Ach.) Hertel & Leuckert 2 [MAINE, MSC]
Lepraria caesiella R.C. Harris 1, 2 [EgH, CANL]
L. cryophila Lendemer 2 [NY]
L. eburnea J.R. Laundon 2 [NY]
L. finkii (B. de Lesd.) R.C. Harris 1, 2 [EgH, NY]
L. harrisiana Lendemer 2 [NY]
L. hodkinsoniana Lendemer 2 [NY]
L. humida Slav.-Bayr. & Orange 1, 2 [NY]
L. jackii Tønsberg 2 [NY]
L. neglecta (Nyl.) Erichsen 1, 2 [CANL, NY]
L. normandinioides Lendemer & R.C. Harris 2 [EgH, CANL, MSC, NY]
L. oxybapha Lendemer 2 [NY]
L. rigidula (B. de Lesd.) Tønsberg 2 [NY]
L. torii Pérez-Ortega & T. Sprib. 2 [NY]
Leprocaulon adhaerens (K. Knudsen et al.) Lendemer & Hodkinson 2 [CANL]
Leimonis erratica (Körb.) R.C. Harris & Lendemer 2 [EgH, CANL]

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- Leptogium cyanescens* (Rabenh.) Körb. 1, 2 [EgH, CANL, MSC]
L. laceroides B. de Lesd. 2 [EgH]
L. milligranum Sierk 2 [EgH]
 **Lettauia cladoniicola* D. Hawksw. & R. Sant. 2 [NY]
 **Leucogyrophana lichenicola* Thorn et al. 2 [NY]
 **Lichenoconium erodens* M.S. Christ. & D. Hawksw. 1, 2 [MIN, NY]
 **L. lecanorae* (Jaap) D. Hawksw. 1, 2 [NY]
 **L. pyxidatae* (Oudem.) Petr. & Syd. 1 [DLH]
 **Lichenodiplis lecanorae* (Vouaux) Dyko & D. Hawksw. 2 [NY]
Lichenomphalia umbellifera (L.: Fr.) Redhead et al. 1, 2 [EgH, CANL]
 **Lichenosticta alcicornaria* (Lindsay) D. Hawksw. 2 [NY]
 **Lichenostigma alpinum* (R. Sant. et al.) Ertz & Diederich 2 [NY]
 **L. cosmopolites* Hafellner & Catal. 2 [MIN, NY]
 **L. elongata* Nav.-Ros. & Hafellner 1, 2 [NY]
 **L. maureri* Hafellner 1, 2 [DLH]
 #*Lichenothelia convexa* Henssen 2 [MSC]
Lithothelium hyalosporum (Nyl.) Aptroot 2 [EgH]
Lobaria pulmonaria (L.) Hoffm. 1, 2 [EgH]
L. quercizans Michx. 1, 2 [EgH, CANL]
L. scrobiculata (Scop.) DC. 1, 2 [EgH]
Lopadium disciforme (Flot.) Kullh. 1, 2 [EgH, CANL]
Loxospora cismonica (Beltr.) Hafellner 1, 2 [EgH]
L. elatina (Ach.) A. Massal. 1, 2 [EgH, MSC]
L. ochrophaea (Tuck.) R.C. Harris 1, 2 [EgH, MSC]
 **Marchandiomyces corallinus* (Roberge) Diederich & D. Hawksw. 1 [MIN]
Megalaria laureri (Hepp ex Th. Fr.) Hafellner 1, 2 [EgH, CANL]
M. pulverea (Borrer) Hafellner & E.J. Schreiner 2 [NY]
Megalospora porphyritis (Tuck.) R.C. Harris 2 [NY]
Melanelia hepatizon (Ach.) Thell 1 [EgH]
M. stygia (L.) Essl. 1, 2 [EgH, CANL]
Melanelixia glabrata (Lamy) Sandler & Arup 1, 2 [EgH]
M. subaurifera (Nyl.) O. Blanco et al. 1, 2 [EgH, CANL]
Melanohalea halei (Ahti) O. Blanco et al. 1, 2 [EgH]
M. olivacea (L.) O. Blanco et al. 1, 2 [NY]
M. septentrionalis (Lyngé) O. Blanco et al. 1, 2 [EgH, NY]
Menegazzia subsimilis (H. Magn.) R. Sant. 2 [EgH]
Micarea botryoides (Nyl.) Coppins 2 [NY]
M. denigrata (Fr.) Hedl. 1 [CANL]
M. endocyanea (Tuck. ex Willey) R.C. Harris 2 [EgH, CANL]
M. globulosella (Nyl.) Coppins 1, 2 [CANL, NY]
M. hedlundii Coppins 2 [NY]
M. melaena (Nyl.) Hedl. 2 [EgH, CANL]
M. micrococca (Körb.) Gams ex Coppins 2 [EgH, NY]
M. misella (Nyl.) Hedl. 1 [EgH, MSC]

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- M. peliocarpa* (Anzi) Coppins & R. Sant. 1, 2 [EgH, CANL, MSC]
M. prasina Fr. s.l. 1, 2 [EgH, CANL, NY]
M. turfosa (A. Massal.) Du Rietz 2 [MSC]
+*Microcalicium ahlneri* Tibell 2 [UMFK]
#*M. arenarium* (Hampe ex A. Massal.) Tibell 1, 2 [UMFK]
Miriquidica leucophaea (Rabenh.) Hertel & Rambold 2 [EgH, CANL]
**Monodictys epilepraria* Kukwa & Diederich 2 [NY]
Montanelia disjuncta (Erichsen) Divakar et al. 1, 2 [NY]
M. panniformis (Nyl.) Divakar et al. 1, 2 [EgH]
M. sorediata (Ach.) Divakar et al. 1, 2 [EgH, MSC]
**Muellerella lichenicola* (Sommerf.) D. Hawksw. 1, 2 [NY]
**M. polyspora* Hepp ex Müll. Arg. 2 [CANL]
**M. pygmaea* (Körb.) D. Hawksw. 2 [EgH]
Multiclavula mucida (Fr.) R. Petersen 2 [MAINE]
Mycobilimbia berengeriana (A. Massal.) Hafellner & V. Wirth 1, 2 [EgH, NY]
M. epixanthoides (Nyl.) Vitik. et al. 2 [NY]
M. tetramera (De Not.) Vitik. et al. 2 [CANL]
Mycoblastus affinis (Schaer.) Schauer 2 [NY]
M. caesius (Coppins & P. James) Tønsberg 1, 2 [EgH, MSC]
M. sanguinarioides Kantvilas 1, 2 [EgH, MSC]
+*Mycocalicium subtile* (Pers.) Szatala 1, 2 [EgH]
Myelochroa aurulenta (Tuck.) Elix & Hale 2 [NY]
M. galbina (Ach.) Elix & Hale 1, 2 [NY]
Myriolecis dispersa (Pers.) Śliwa et al. 2 [MSC, NY]
M. aff. contractula (Nyl.) Śliwa et al. 2 [CANL]
M. cf. schofieldii (Brodo) Śliwa et al. 2 [CANL]
M. straminea (Wahlenb. ex Ach.) Śliwa et al. 2 [NY]
M. zosteriae (Ach.) Śliwa et al. “var. *beringii* (Nyl.)” ined. 2 [CANL]
M. zosteriae (Ach.) Śliwa et al. var. *zosteriae* 2 [EgH, CANL]
Myriospora smaragdula (Wahlenb. ex Ach.) K. Knudsen & L. Arcadia 2 [MSC, NY]
Nadvornikia sorediata R.C. Harris 2 [NY]
Nephroma helveticum Ach. subsp. *helveticum* 1, 2 [EgH]
N. laevigatum Ach. 2 [EgH]
N. parile (Ach.) Ach. 1, 2 [EgH]
Normandina pulchella (Borrer) Nyl. 2 [EgH, CANL, MSC]
Ochrolechia androgyna (Hoffm.) Arnold 1, 2 [EgH, CANL]
O. arborea (Kreyer) Almb. 1, 2 [EgH, CANL, NY]
O. mexicana Vain. 2 [NY]
O. microstictoides Räsänen 2 [NY]
O. pseudopallescens Brodo 1, 2 [CANL, MSC, NY]
O. trochophora (Vain.) Oshio var. *trochophora* 1, 2 [EgH]
O. turneri (Sm.) Hasselrot 2 [EgH, NY]
O. yasudae Vain. 2 [MAINE]
Pannaria rubiginosa (Ach.) Bory s.l. 2 [MSC]

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- P. tavaresii* P.M. Jørg. 2 [NY]
Parmelia fertilis Müll. Arg. 2 [NY]
P. neodiscordans Hale 2 [NY]
P. omphalodes (L.) Ach. subsp. *omphalodes* 1, 2 [EgH]
P. omphalodes subsp. *pinnatifida* (Kurok.) Skult 2 [EgH]
P. saxatilis (L.) Ach. 1, 2 [EgH, CANL]
P. squarrosa Hale 1, 2 [EgH, CANL]
P. sulcata Taylor 1, 2 [EgH]
Parmeliella appalachensis P.M. Jørg. 2 [NY]
P. triptophylla (Ach.) Müll. Arg. 1, 2 [EgH, CANL]
Parmeliopsis ambigua (Wulfen) Nyl. 1, 2 [NY]
P. capitata R.C. Harris 1, 2 [EgH]
P. hyperopta (Ach.) Arnold 1, 2 [NY]
Parmotrema arnoldii (Du Rietz) Hale 2 [MAINE]
Parmotrema crinitum (Ach.) M. Choisy 1, 2 [EgH]
P. perlatum (Huds.) M. Choisy 1, 2 [EgH]
P. reticulatum (Taylor) M. Choisy 2 [EgH]
P. stuppeum (Taylor) Hale 2 [EgH]
Peltigera aphthosa (L.) Willd. 2 [NY]
P. canina (L.) Willd. 1(?), 2 [MAINE, MSC]
P. degenii Gyeln. 1, 2 [EgH]
P. didactyla (With.) J.R. Laundon 2 [EgH]
P. elisabethae Gyeln. 2 [EgH]
P. extenuata (Vain.) Lojka 2 [NY]
P. horizontalis (Huds.) Baumg. 2 [EgH]
P. lepidophora (Nyl. ex Vain.) Bitter 2 [EgH]
P. neckeri Hepp ex Müll. Arg. 2 [NY]
P. polydactylon (Neck.) Hoffm. 2 [EgH, CANL]
P. praetextata (Flörke ex Sommerf.) Zopf 1, 2 [EgH]
P. rufescens (Weiss) Humb. 2 [EgH, MSC]
Pertusaria alpina Hepp ex Ahles 1, 2 [EgH]
P. consocians Dibben 1, 2 [EgH, CANL]
P. globularis (Ach.) Tuck. 2 [CANL, NY]
P. leioplaca DC. 1, 2 [MAINE]
P. macounii (I.M. Lamb) Dibben 1, 2 [EgH, CANL]
P. neoscotica I.M. Lamb 2 [EgH]
P. propinqua Müll. Arg. 2 [EgH]
P. rubefacta Erichsen 2 [EgH]
P. sulcata Dibben 1, 2 [NY]
**Phacopsis oxyspora* (Tul.) Triebel & Rambold 1, 2 [MRDS]
+*Phaeocalicium betulinum* (Nyl.) Tibell 2 [UMFK]
+*P. compressulum* (Nyl. ex Vain.) A.F.W.Schmidt 1, 2 [EgH, CANL, NY]
+*P. curtisii* (Tuck.) Tibell 2 [NY]
+*P. matthewsianum* Selva & Tibell 1, 2 [UMFK]

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- +*P. polyporaenum* (Nyl.) Tibell 1, 2 [CANL, NY]
Phaeophyscia adiastrata (Essl.) Essl. 2 [NY]
P. ciliata (Hoffm.) Moberg 2 [EgH]
P. pusilloides (Zahlbr.) Essl. 1, 2 [EgH]
P. rubropulchra (Degel.) Essl. 2 [EgH]
P. sciastra (Ach.) Moberg 2 [EgH]
 **Phaeopyxis punctum* (A. Massal.) Rambold et al. 1, 2 [NY]
Phlyctis agelaea (Ach.) Flot. 1 [EgH]
P. argenta (Spreng.) Flot. s. str. 1, 2 [EgH]
P. speirea G.Merr. 1, 2 [EgH]
 **Phoma lobariae* Diederich & Etayo 2 [MIN]
Physcia adscendens (Fr.) H. Olivier 1, 2 [EgH, CANL]
P. aipolia (Ehrh. ex Humb.) Fűrnr. var. *aipolia* 1, 2 [NY]
P. caesia (Hoffm.) Fűrnr. 1, 2 [CANL]
P. dubia (Hoffm.) Lettau 2 [MAINE]
P. millegrana Degel. 1, 2 [EgH]
P. phaea (Tuck.) J.W. Thomson 1, 2 [EgH]
P. stellaris (L.) Nyl. 2 [EgH]
P. subtilis Degel. s.l. 2 [EgH]
P. tenella (Scop.) DC. 1, 2 [EgH]
Physciella chloantha (Ach.) Essl. 1, 2 [EgH]
P. melanchra (Hue) Essl. 2 [MAINE]
Physconia detersa (Nyl.) Poelt 1, 2 [EgH, NY]
P. grumosa Kashiw. & Poelt 2 [MAINE]
P. leucoleiptes (Tuck.) Essl. 2 [EgH]
Pilophorus cereolus (Ach.) Th. Fr. in Hellbom 2 [NY]
Placidium squamulosum (Ach.) Breuss 2 [MSC, NY]
Placynthiella hyporhoda (Th. Fr.) Coppins & P. James 2 [MSC]
P. icmalea (Ach.) Coppins & P. James 1, 2 [EgH, CANL]
P. oligotropha (J.R. Laundon) Coppins & P. James 1, 2 [NY]
P. uliginosa (Schrad.) Coppins & P. James 1, 2 [EgH]
Placynthium flabellum (Tuck) Zahlbr. 2 [EgH]
Platismatia glauca (L.) W.L. Culb. & C. Culb. 1, 2 [EgH]
P. tuckermanii (Oakes) W.L. Culb. & C. Culb. 1, 2 [EgH, CANL]
Polycauliona polycarpa (Hoffm.) Frödén et al. 1, 2 [EgH]
P. verruculifera (Vain.) Arup et al. 2 [EgH]
Polysporina simplex (Davies) Vězda 2 [EgH]
Porina scabrida R.C. Harris 2 [NY]
Porocyphus coccodes Flot. ex Körb. 2 [MSC]
Porpidia albocaerulescens (Wulfen) Hertel & Knoph 1, 2 [CANL]
P. cinereoatra (Ach.) Hertel & Knoph 1, 2 [EgH, CANL, NY]
P. contraponenda (Arnold) Knoph & Hertel 1, 2 [EgH, CANL]
P. crustulata (Ach.) Hertel & Knoph 1, 2 [EgH, CANL, MSC]
P. degelii (H. Magn.) Lendemer 2 [MSC]

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- P. macrocarpa* (DC.) Hertel & A.J. Schwab 1, 2 [EgH]
P. ochrolemma (Vain.) Brodo & R. Sant. 2 [MAINE, MSC]
P. soledizodes (Lamy ex Nyl.) J.R. Laundon 2 [NY]
P. subsimplex (H. Magn.) Fryday 1, 2 [CANL, MSC, NY]
P. tuberculosa (Sm.) Hertel & Knoph 1, 2 [EgH, CANL]
**Pronectria oligospora* Lowen & Rogerson 1 [DLH]
Protopannaria pezizoides (Weber) P.M. Jørg. & S. Ekman 1, 2 [CANL, NY]
Protoparmelia badia (Hoffm.) Hafellner 1, 2 [EgH, CANL]
P. hypotremella Herk et al. 2 [NY, with *Sphinctrina turbinata*]
Protoparmeliopsis muralis (Schreber) M. Choisy 2 [MAINE]
Pseudevernia cladonia (Tuck.) Hale & W.L. Culb. 1, 2 [EgH, CANL]
P. consocians (Vain.) Hale & W.L. Culb. 1, 2 [EgH]
Pseudocyphellaria aff. perpetua McCune & Miadl. 1, 2 [EgH]
Pseudosagedia guentheri (Flot.) Hafellner & Kalb 2 [MSC]
Psilolechia lucida (Ach.) M. Choisy 1, 2 [EgH, CANL]
Psorula rufonigra (Tuck.) Gotth.Schneid. 2 [EgH, MSC]
Punctelia appalachensis (W.L. Culb.) Krog 2 [EgH]
P. caseana Lendemer & Hodkinson 1, 2 [EgH]
P. rudecta (Ach.) Krog 1, 2 [EgH, CANL]
Pycnothelia papillaria Dufour 1, 2 [EgH, CANL]
**Pyrenidium actinellum* Nyl. 1 [EgH]
**P. aggregatum* K. Knudsen & Kocourk. 2 [NY]
Pyrenocarpon thelostomum (Ach. ex J. Harriman) Coppins & Aptroot 2 [MSC]
Pyrenula pseudobufonia (Rehm) R.C. Harris 1, 2 [EgH, CANL]
Pyrrhospora varians (Ach.) R.C. Harris 1, 2 [EgH, CANL, MSC]
Pyxine solediata (Ach.) Mont. 1, 2 [EgH]
Ramalina americana Hale 2 [EgH]
R. farinacea (L.) Ach. 1, 2 [EgH]
R. intermedia (Delise ex Nyl.) Nyl. 1, 2 [EgH]
R. roesleri (Hochst. ex Schaer.) Hue 1, 2 [EgH]
R. thrausta (Ach.) Nyl. 2 [EgH]
Ramboldia elabens (Fr.) Kantvilas & Elix 1, 2 [EgH, MSC, CANL]
Rhizocarpon cinereovirens (Müll. Arg.) Vain. 1, 2 [NY]
R. disporum (Nägeli ex Hepp) Müll. Arg. 2 [MSC]
R. distinctum Th. Fr. 1, 2 [MSC]
R. eupetraeoides (Nyl.) Blomb. & Forssell 2 [EgH]
R. eupetraeum (Nyl.) Arnold 1, 2 [CANL, MSC, NY]
R. geminatum Körb. 1, 2 [MAINE, MSC]
R. geographicum (L.) DC. 1, 2 [EgH]
R. grande (Flörke ex Flot.) Arnold 1, 2 [EgH, CANL, MSC]
R. hochstetteri (Körb.) Vain. 1 [EgH, CANL]
R. infernulum (Nyl.) Lyngby 1, 2 [EgH, CANL]
R. lavatum (Fr.) Hazsl. 2 [EgH, CANL]
R. lecanorinum Anders 1, 2 [EgH, CANL]

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- R. polycarpum* (Hepp) Th. Fr. 1, 2 [MSC]
R. postumum (Nyl.) Arnold 2 [NY]
R. reductum Th. Fr. 1, 2 [EgH, CANL, MSC]
R. rubescens Th. Fr. 1, 2 [EgH, CANL, MSC]
R. subgeminatum Eitner 1, 2 [EgH, CANL, MSC]
R. timdalii Ihlen & Fryday 2 [CANL, MSC]
Rhizoplaca subdiscrepans (Nyl.) R. Sant. 2 [EgH]
Rimularia badioatra (Kremp.) Hertel & Rambold 2 [NY]
R. gibbosa (Ach.) Coppins et al. 2 [MSC]
Rinodina adirondackii H. Magn. 2 [NY]
R. ascociscana Tuck. 2 [EgH]
R. buckii Sheard et al. 2 [EgH]
R. degeliana Coppins 2 [EgH, CANL]
R. efflorescens Malme 2 [CANL, NY]
R. freyi H. Magn. 2 [CANL]
R. gennarii Bagl. 2 [CANL, NY]
R. subminuta H. Magn. 2 [EgH]
R. tephrae (Tuck.) Herre 2 [CANL]
R. willeyii Sheard & Giralt 2 [CANL, NY]
Ropalospora chlorantha (Tuck.) S. Ekman 1, 2 [EgH, CANL, MSC]
R. viridis (Tønsberg) Tønsberg 1, 2 [EgH, CANL, NY]
Rostania occultata (Bagl.) Otálora et al. 2 [EgH]
Rufoplaca arenaria (Pers.) Arup et al. 2 [EgH]
Rusavskia elegans (Link) S.Y. Kondr. & Kärnefelt 1, 2 [EgH, CANL, MSC]
Sarcogyne hypophaea (Nyl.) Arnold 1, 2 [MSC]
S. similis H. Magn. 2 [MSC]
Sarcosagium campestre (Fr.) Poetsch & Schied. 2 [MSC]
**Sclerococcum simplex* D. Hawksw. 2 [NY]
Scoliciosporum chlorococcum (Stenh.) Vězda 2 [EgH]
S. pruinatum (P. James) Vězda 2 [EgH]
S. umbrinum (Ach.) Arnold 1, 2 [CANL, MSC]
+*Sarea difformis* (Fr.) Fr. 2 [EgH]
+*S. resinae* (Fr.) Kuntze 2 [CANL, NY]
Scytinium imbricatum (P.M. Jørg.) Otálora et al. 2 [MAINE]
S. tenuissimum (Dicks.) Otálora et al. 2 [MAINE]
S. cf. teretiusculum (Wallr.) Otálora et al. 2 [EgH]
**Skyttea gregaria* Sherwood et al. 2 [NY]
**S. nitschkei* (Körb.) Sherwood et al. 2 [NY]
**S. richardsonii* Iturr. & D. Hawksw. 1 [NY]
**Sphaerellothecium coniodes* (Nyl.) Cl. Roux & Diederich 2 [NY]
**Sphaerellothecium reticulatum* (Zopf) Etayo 2 [DLH]
Sphaerophorus globosus (Huds.) Vain. s.l. 2 [EgH, NY]
**Sphinctrina turbinata* (Pers.: Fr.) De Not. 2 [NY]
Spilonema revertens Nyl. 2 [EgH, with *Psorula*]

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- **Spirographa fusisporella* (Nyl.) Zahlbr. 1 [DLH]
Sporodictyon cruentum (Körb.) Körb. 2 [CANL]
Staurothele fissa (Taylor) Zwackh 2 [CANL]
Steinia geophana (Nyl.) Stein 2 [MSC]
+*Stenocybe major* Nyl. ex Körb. 1, 2 [EgH]
+*S. pullatula* (Ach.) Stein 1, 2 [EgH]
Stereocaulon condensatum Hoffm. 1, 2 [EgH, MSC]
S. dactylophyllum Flörke 1, 2 [EgH, CANL, MSC]
S. glaucescens Tuck. var. *glaucescens* 1, 2 [NY]
S. intermedium (Savicz) H. Magn. 2 [EgH]
S. nanodes Tuck. 2 [MAINE]
S. paschale (L.) Hoffm. 2 [EgH]
S. pileatum Ach. 1, 2 [EgH, CANL, MSC]
S. saxatile H. Magn. 1, 2 [EgH]
S. subcoralloides (Nyl.) Nyl. 1, 2 [EgH, MSC]
S. tomentosum Fr. 1, 2 [EgH]
Stictis urceolatum (Ach.) Gilenstam 1, 2 [EgH]
**Stigmatidium fuscatae* (Arnold) R. Sant. 2 [NY]
**S. marinum* (Deakin) Swinscow 1, 2 [CANL]
Strigula stigmatella (Ach.) R.C. Harris 2 [NY]
**Taeniolella cladinicola* Alstrup 2 [DLH]
Thelocarpon impressellum Nyl. 2 [NY]
T. laureri (Flot.) Nyl. 2 [CANL, NY]
Thelotrema lepadinum (Ach.) Ach. 2 [NY]
T. suecicum (H. Magn.) P. James 2 [NY]
Trapelia coarctata (Sm.) M. Choisy 1, 2 [EgH, CANL]
T. corticola Coppins & P. James 2 [MSC, NY]
T. glebulosa (Sm.) J.R. Laundon 1, 2 [EgH, CANL, MSC, NY]
T. placodioides Coppins & P. James 2 [CANL, NY]
T. stipitata Brodo & Lendemer 2 [CANL, NY]
Trapeliopsis flexuosa (Fr.) Coppins & P. James 1 [EgH]
T. granulosa (Hoffm.) Lumbsch 1, 2 [EgH, CANL]
T. viridescens (Schrad.) Coppins & P. James 2 [EgH]
**Tremella cladoniae* Diederich & M.S.Christ. 2 [NY]
**T. coppinsii* Diederich & G. Marson 2 [NY]
**T. everniae* Diederich 1, 2 [EgH]
Trypethelium virens Tuck. ex E. Michener 1, 2 [EgH, CANL]
Tuckermanopsis americana (Spreng.) Hale 1, 2 [EgH]
T. orbata (Nyl.) M.J. Lai 1, 2 [EgH, CANL]
T. sepincola (Ehrh.) Hale 2 [MAINE]
Umbilicaria deusta (L.) Baumg. 1, 2 [EgH, CANL, MSC]
U. mammulata (Ach.) Tuck. 1, 2 [EgH, CANL]
U. muhlenbergii (Ach.) Tuck. 1, 2 [EgH, CANL]
U. torrefacta (Lightf.) Schrad. 2 [MAINE]

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- Usnea ceratina* Ach. 1, 2 [EgH, CANL]
U. cornuta Körb. subsp. *cornuta* 1, 2 [EgH]
U. dasopoga (Ach.) Nyl. 1, 2 [EgH]
U. flavocardia Räsänen 2 [G]
U. fragilescens Hav. ex Lynge var. *mollis* (Vain.) P.Clerc 2 [G]
U. halei P.Clerc 2 [G]
U. glabrescens var. *fulvovireagens* Räsänen 1, 2 [EgH]
U. hirta (L.) F.H. Wigg. 1, 2 [EgH]
U. longissima Ach. 1, 2 [EgH]
U. macaronesica P. Clerc 2 [G, MAINE]
U. merrillii Motyka 1, 2 [NY]
U. praetervisa (Asah.) P. Clerc 2 [NY]
U. silesiaca Motyka 2 [NY]
U. strigosa (Ach.) Eaton subsp. *strigosa* 1, 2 [EgH]
U. subfloridana Stirt. 1, 2 [EgH]
U. subfusca Stirt. 2 [MAINE]
U. subgracilis Vain. 1, 2 [NY]
U. subrubicunda P. Clerc 1, 2 [EgH, G, NY]
U. trichodea Ach. 1, 2 [EgH, NY]
U. wasmuthii Räsänen 2 [MAINE]
Usneocetraria oakesiana (Tuck.) M.J. Lai & J.C. Wei 1, 2 [EgH]
Varicellaria velata (Turner) I.Schmitt & Lumbsch 1, 2 [EgH]
Variolaria amara Ach. 1, 2 [EgH, CANL]
V. ultipunctoides (Dibben) Lendemer et al. 1, 2 [EgH, CANL]
V. ophthalmiza Nyl. 1, 2 [EgH, CANL]
V. pustulata (Brodo & W.L. Culb.) Lendemer et al. 1, 2 [EgH, CANL]
V. trachythallina (Erichsen) Lendemer et al. 2 [EgH]
V. waghornei (Hulting) Darb. 2 [EgH]
Verrucaria aethiobola Wahlenb. 2 [NY]
V. degelii R. Sant. 1, 2 [NY]
V. ditmarsica Erichsen 1, 2 [CANL]
V. erichsenii Zschacke 2 [EgH, CANL]
V. halizoa Leight. 1 [EgH]
V. margacea (Wahlenb.) Wahlenb. 2 [CANL]
V. muralis Ach. 2 [MSC]
Vezeada acicularis Coppins 2 [MSC]
Violella fucata (Stirt.) T. Sprib. 2 [NY]
**Vouauxiella lichenicola* (Linds.) Petr. & Syd. 2 [MIN, NY]
Vulpicida pinastri (Scop.) J.-E.Mattsson & M.J. Lai 1, 2 [EgH]
Wahlenbergiella mucosa (Wahlenb.) Gueidan & Thüs 1, 2 [CANL, EgH]
W. striatula (Wahlenb.) Gueidan & Thüs 1, 2 [CANL]
Xanthoparmelia augustiphylla (Gyeln.) Hale 2 [EgH]
X. conspersa (Ehrh. ex Ach.) Hale 1, 2 [EgH]
X. cumberlandia (Gyeln.) Hale 1, 2 [EgH]

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- X. plittii* (Gyeln.) Hale 2 [NY]
X. viriduloumbrina (Gyeln.) Lendemer 1, 2 [EgH]
Xanthoria parietina (L.) Th. Fr. 1, 2 [EgH, MSC]
Xylographa disseminata Willey 1 [MSC, NY]
X. opegraphella Nyl. ex Rothr. 1, 2 [EgH, CANL, NY]
X. parallela (Ach.: Fr.) Behlen & Desberger 1, 2 [EgH]
X. trunciseda (Th. Fr.) Minks ex Desberger 2 [CANL]
X. vitiligo (Ach.) J.R. Laundon 2 [EgH]
Xylopsora friesii (Ach.) Bendiksby & Timdal 2 [NY]

Unsubstantiated reports of species from Eagle Hill and its vicinity

The following list of 66 species, compiled from unverified class lists, lack voucher material. Many of these may occur within the study area, but require confirmation.

- **Abrothallus halei* Pérez-Ortega et al. 2
 **A. usneae* Rabenh. 2
Arthonia patellulata Nyl. 1 &/or 2
Bacidia diffracta S. Ekman 2
Bacidina egenula (Nyl.) Vězda 2
Baeomyces placophyllus Ach. 1
Buellia spuria (Schaer.) Anzi 2
Caloplaca camptidia (Tuck.) Zahlbr. 2
C. feracissima H. Magn. 2
Carbonea vorticosa (Flörke) Hertel 2
Catillaria nigroclavata (Nyl.) Schuler 2
 +*Chaenothecopsis savonica* (Räsänen) Tibell 1, 2
 **C. viridialba* (Kremp.) A.F.W.Schmidt 1 and/or 2
Cladonia cenotea var. *exaltata* (Vain.) Vain. 2
C. peziziformis (With.) J.R. Laundon 2
Collema nigrescens (Huds.) DC. 1
Fuscidea praeruptorum (Du Rietz & H. Magn.) V. Wirth & Vězda 2
Gyalolechia flavovirescens (Wulfen) Søchting et al. 2
Lecanora albellula Nyl. 1 and/or 2
L. argentata (Ach.) Malme (syn. *L. subrugosa* Nyl.) 1, 2
L. cenisia Ach. 1 and/or 2
L. intricata (Ach.) Ach. 2
L. sambuci (Pers.) Nyl. 1 and/or 2
Lecidea confluens (Weber) Ach. 1 and/or 2
L. diducens Nyl. 2
L. lapicida (Ach.) Ach. 1 and/or 2
Lecidella carpathica Körb. 2
L. euphorea (Flörke) Hertel 2
 #*Leptorhaphis epidermidis* (Ach.) Th. Fr. 2
Melanelixia subargentifera (Nyl.) O. Blanco et al. 2

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- Micarea cinerea* (Schaer.) Hedl. 2
 **Muellerella erratica* (A. Massal.) Hafellner & V. John 1, 2
Mycobilimbia pilularis (Körb.) Hafellner & Türk 2
 +*Mycoglaena myrica* (Nyl.) R.C. Harris 2
Myriolecis hagenii (Ach.) Ach. 2
Ochrolechia frigida (Sw.) Lynge 2
Peltigera hymenina (Ach.) Delise 1, 2
Pertusaria paratuberculifera Dibben 1 and/or 2
P. subobducens Nyl. 2
P. texana Müll. Arg. 2
 +*Phaeocalicium populneum* (Brond. ex Duby) A.F.W. Schmidt 2
Physconia enteroxantha (Nyl.) Poelt 2
Placynthium nigrum (Huds.) Gray 2
 **Pronectria anisospora* (Lowen) Lowen 1 and/or 2
Pseudosagedia chlorotica (Ach.) Hafellner & Kalb 2
Racodium rupestre Pers. 2
Ramalina dilacerata (Hoffm.) Hoffm. 1, 2
Ramboldia cinnabarina (Sommerf.) Kalb et al. 2
Rhizocarpon petraeum (Wulfen) A. Massal. 1, 2
R. riparium Räsänen 1
Sarcogyne clavus (DC.) Kremp. 1, 2
Scytinium lichenoides (L.) Otálora et al. 1, 2
 **Skyttea caesii* Diederich & Etayo 2
 **Sphinctrina tubaeformis* A. Massal. 2
Stereocaulon glaucescens var. *caespitosulum* (Nyl.) I.M. Lamb 2
Thelidium incavatum Nyl. ex Mudd 1 and/or 2
 **Tremella hypogymniae* Diederich & M.S. Christ. 1
 **T. pertusariae* Diederich 2
Tuckermanella fendleri (Nyl.) Essl. 1
Tuckermanopsis ciliaris (Ach.) Gyeln. 1, 2
Umbilicaria polyphylla (L.) Baumg. 2
Usnea cavernosa Tuck. 1
U. cornuta subsp. *brasiliensis* (Zahlbr.) P. Clerc 2
U. lapponica Vain. 2
Verrucaria hydrela Ach. 1 and/or 2
V. nigrescens Pers. 2

Literature Cited

- Brummitt, R.K., and C.E. Powell (eds.). 1992. *Authors of Plant Names*. Royal Botanic Gardens, Kew, UK. 732 pp.
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